Notes:

1. Follow along with your instructor to use these birds to build a trait table.
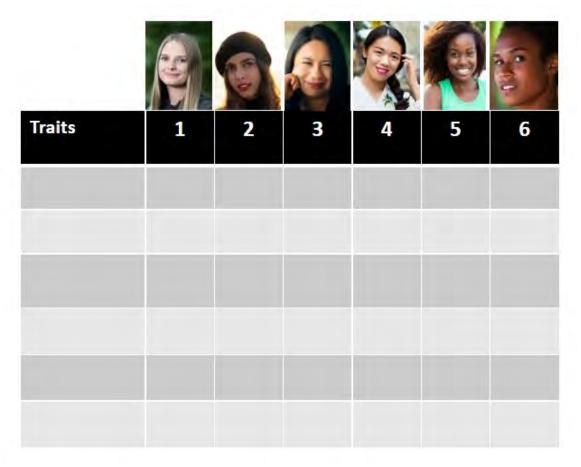
Traits	1	2	3	4
Beak shape				
Feather color				
Feather crest				
Body size				

2. Now, watch closely as we use the trait table to build a phylogenetic tree!

3. Now, complete the trait table with a new set of images!

Traits	1	2	3	4	5	6

4. Using your trait table, complete the phylogenetic tree on the next page. You may cut out these images to place them on the tree, or use the numbering system to assign them to locations.
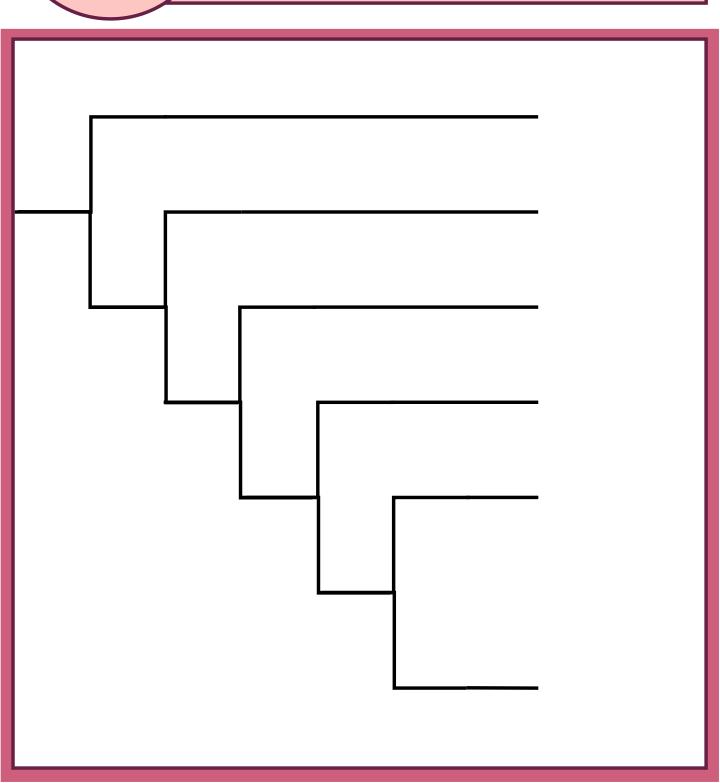
1   2   3   4   5   6

5. What characteristics did you use to build your phylogenetic tree?

6. Why did you choose those characteristics to build your phylogenetic tree?

7. In what ways does your tree differ from the tree built on genetic sequences?

8. What does this say about relying on morphological traits to build phylogenetic trees?

9. How do you define race, ethnicity, and ancestry? How do they differ?

10. How does today's activity relate to race and ancestry?

11. Do you think you can determine the ancestry of someone by their skin color? Why or why not?

12. What does this activity tell you about the consequences of visual assumptions when implemented as a society? Give a specific example.